OIPE

RAW SEQUENCE LISTING   DATE: 04/08/2002
PATENT APPLICATION: US/10/008,574A   TIME: 15:13:42

Input Set : **A:\LEX-0264-USA SEQLIST.txt**
Output Set: **N:\CRF3\04082002\J008574A.raw**

ENTERED

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     4 <110> APPLICANT: Walke, D. Wade
     5         Scoville, John
     7 <120> TITLE OF INVENTION: Novel Human 7TM Proteins and Polynucleotides Encoding the
Same
     9 <130> FILE REFERENCE: LEX-0264-USA
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C--> 11 <141> CURRENT FILING DATE: 2001-10-26
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    12 <151> PRIOR FILING DATE: 2000-10-27
    14 <150> PRIOR APPLICATION NUMBER: US 60/244,291
    15 <151> PRIOR FILING DATE: 2000-10-30
    17 <160> NUMBER OF SEQ ID NOS: 5
    19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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    22 <211> LENGTH: 1923
    23 <212> TYPE: DNA
    24 <213> ORGANISM: homo sapiens
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    28 acattgtatc aggctgcaag caaaagcaag gagaaggtgc ctgccaggcc acacggtgta     120
    29 tgcgatggtg tctgtacaga ctaccccag tgtactcaac cttgccctcc agacactcag     180
    30 ggaaatatgg ggttttcatg caggcaaaag acatggcaca agatcactga cacctgccag     240
    31 actcttaatg ccctcaacat ctttgaggag gattcacgtt tggttcagcc atttgaagac     300
    32 aatataaaaa taagtgtata tactggaaag tctgagacca taacagatat gttgctacaa     360
    33 aagtgtccca cagatctgtc ttgtgtaatt agaaacattc agcagtctcc ctggatacca     420
    34 ggaaacattg ccgtaattgt gcagctctta cacaacatat caacagcaat atggacaggt     480
    35 gttgatgagg caaagatgca gagttacagc accatagcca accacattct taacagcaaa     540
    36 agcatctcca actggacttt cattcctgac agaaacagca gctatatcct gctacattca     600
    37 gtcaactcct ttgcaagaag gctattcata gataaacatc ctgttgacat atcagatgtc     660
    38 ttcattcata ctatgggcac caccatatct ggagataaca ttggaaaaaa tttcactttt     720
    39 tctatgagaa ttaatgatac cagcaatgaa gtcactggga gagtgttgat cagcagagat     780
    40 gaacttcgga aggtgccttc cccttctcag gtcatcagca ttgcatttcc aactattggg     840
    41 gctattttgg aagccagtct tttggaaaat gttactgtaa atgggcttgt cctgtctgcc     900
    42 attttgccca aggaacttaa aagaatctca ctgattttg aaaagatcag caagtcagag     960
    43 gagaggagga cacagtgtgt tggctggcac tctgtggaga acagatggga ccagcaggcc    1020
    44 tgcaaaatga ttcaagaaaa ctcccagcaa gctgtttgca aatgtaggcc aagtgaattg    1080
    45 tttacctctt tctcaattct tatgtcacct cacatcttag agagtctgat tctgacttac    1140
    46 atcacatatg taggcctggg catttctatt tgcagcctga tcctttgctt gtccattgag    1200
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53 ctacgacctg agatctgctg gctcaactgg gacatgacca aagccctcct ggccttcgtg   1620
54 atcccagctt tggccatcgt ggtagtaaac ctgatcacag tcacactggt gattgtcaag   1680
55 acccagcgag ctgccattgg caattccatg ttccaggaag tgagagccat tgtgagaatc   1740
56 agcaagaaca tcgccatcct cacaccactt ctgggactga cctgggggatt tggagtagcc   1800
57 actgtcatcg atgacagatc cctggccttc cacattatct tctccctgct caatgcattc   1860
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63 <212> TYPE: PRT
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70             20                  25                  30
71 Val Pro Ala Arg Pro His Gly Val Cys Asp Gly Val Cys Thr Asp Tyr
72          35                  40                  45
73 Pro Gln Cys Thr Gln Pro Cys Pro Pro Asp Thr Gln Gly Asn Met Gly
74       50                  55                  60
75 Phe Ser Cys Arg Gln Lys Thr Trp His Lys Ile Thr Asp Thr Cys Gln
76 65                  70                  75                  80
77 Thr Leu Asn Ala Leu Asn Ile Phe Glu Glu Asp Ser Arg Leu Val Gln
78                  85                  90                  95
79 Pro Phe Glu Asp Asn Ile Lys Ile Ser Val Tyr Thr Gly Lys Ser Glu
80               100                 105                 110
81 Thr Ile Thr Asp Met Leu Leu Gln Lys Cys Pro Thr Asp Leu Ser Cys
82             115                 120                 125
83 Val Ile Arg Asn Ile Gln Gln Ser Pro Trp Ile Pro Gly Asn Ile Ala
84       130                 135                 140
85 Val Ile Val Gln Leu Leu His Asn Ile Ser Thr Ala Ile Trp Thr Gly
86 145                 150                 155                 160
87 Val Asp Glu Ala Lys Met Gln Ser Tyr Ser Thr Ile Ala Asn His Ile
88                 165                 170                 175
89 Leu Asn Ser Lys Ser Ile Ser Asn Trp Thr Phe Ile Pro Asp Arg Asn
90             180                 185                 190
91 Ser Ser Tyr Ile Leu Leu His Ser Val Asn Ser Phe Ala Arg Arg Leu
92             195                 200                 205
93 Phe Ile Asp Lys His Pro Val Asp Ile Ser Asp Val Phe Ile His Thr
94       210                 215                 220
95 Met Gly Thr Thr Ile Ser Gly Asp Asn Ile Gly Lys Asn Phe Thr Phe
96 225                 230                 235                 240
97 Ser Met Arg Ile Asn Asp Thr Ser Asn Glu Val Thr Gly Arg Val Leu
98                 245                 250                 255
99 Ile Ser Arg Asp Glu Leu Arg Lys Val Pro Ser Pro Ser Gln Val Ile
100             260                 265                 270
101 Ser Ile Ala Phe Pro Thr Ile Gly Ala Ile Leu Glu Ala Ser Leu Leu
102         275                 280                 285
103 Glu Asn Val Thr Val Asn Glu Leu Val Leu Ser Ala Ile Ser Glu Leu
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Input Set : A:\LEX-0264-USA SEQLIST.txt
Output Set: N:\CRF3\04082002\J008574A.raw

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106 305                      310               315                320
107 Glu Arg Arg Thr Gln Cys Val Gly Trp His Ser Val Glu Asn Arg Trp
108                      325               330                335
109 Asp Gln Gln Ala Cys Lys Met Ile Gln Glu Asn Ser Gln Gln Ala Val
110                  340                   345               350
111 Cys Lys Cys Arg Pro Ser Glu Leu Phe Thr Ser Phe Ser Ile Leu Met
112              355                   360               365
113 Ser Pro His Ile Leu Glu Ser Leu Ile Leu Thr Tyr Ile Thr Tyr Val
114      370                   375               380
115 Gly Leu Gly Ile Ser Ile Cys Ser Leu Ile Leu Cys Leu Ser Ile Glu
116 385                  390                   395                400
117 Val Leu Val Trp Ser Gln Val Thr Lys Thr Glu Ile Thr Tyr Leu Arg
118                  405                   410                415
119 His Val Cys Ile Val Asn Ile Ala Ala Thr Leu Leu Met Ala Asp Val
120              420                   425               430
121 Trp Phe Ile Val Ala Ser Phe Leu Ser Gly Pro Ile Thr His His Lys
122          435                   440               445
123 Gly Cys Val Ala Ala Thr Phe Phe Val His Phe Phe Tyr Leu Ser Val
124      450                   455               460
125 Phe Phe Trp Met Leu Ala Lys Ala Leu Leu Ile Leu Tyr Gly Ile Met
126 465                  470                   475                480
127 Ile Val Phe His Thr Leu Pro Lys Ser Val Leu Val Ala Ser Leu Phe
128              485                   490               495
129 Ser Val Gly Tyr Gly Cys Pro Leu Ala Ile Ala Ala Ile Thr Val Ala
130              500                   505               510
131 Ala Thr Glu Pro Gly Lys Gly Tyr Leu Arg Pro Glu Ile Cys Trp Leu
132          515                   520               525
133 Asn Trp Asp Met Thr Lys Ala Leu Leu Ala Phe Val Ile Pro Ala Leu
134      530                   535               540
135 Ala Ile Val Val Val Asn Leu Ile Thr Val Thr Leu Val Ile Val Lys
136 545                  550                   555                560
137 Thr Gln Arg Ala Ala Ile Gly Asn Ser Met Phe Gln Glu Val Arg Ala
138              565                   570               575
139 Ile Val Arg Ile Ser Lys Asn Ile Ala Ile Leu Thr Pro Leu Leu Gly
140          580                   585               590
141 Leu Thr Trp Gly Phe Gly Val Ala Thr Val Ile Asp Asp Arg Ser Leu
142          595                   600               605
143 Ala Phe His Ile Ile Phe Ser Leu Leu Asn Ala Phe Gln Val Ser Pro
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149 <211> LENGTH: 1737
150 <212> TYPE: DNA
151 <213> ORGANISM: homo sapiens
153 <400> SEQUENCE: 3
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PATENT APPLICATION: US/10/008,574A   TIME: 15:13:42

Input Set : A:\LEX-0264-USA SEQLIST.txt
Output Set: N:\CRF3\04082002\J008574A.raw

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157 cccacagatc tgtcttgtgt aattagaaac attcagcagt ctccctggat accaggaaac  240
158 attgccgtaa ttgtgcagct cttacacaac atatcaacag caatatggac aggtgttgat  300
159 gaggcaaaga tgcagagtta cagcaccata gccaaccaca ttcttaacag caaaagcatc  360
160 tccaactgga ctttcattcc tgacagaaac agcagctata tcctgctaca ttcagtcaac  420
161 tcctttgcaa gaaggctatt catagataaa catcctgttg acatatcaga tgtcttcatt  480
162 catactatgg gcaccaccat atctggagat aacattggaa aaaatttcac tttttctatg  540
163 agaattaatg ataccagcaa tgaagtcact gggagagtgt tgatcagcag agatgaactt  600
164 cggaaggtgc cttcccttc tcaggtcatc agcattgcat ttccaactat tggggctatt  660
165 ttggaagcca gtcttttgga aaatgttact gtaaatgggc ttgtcctgtc tgccattttg  720
166 cccaaggaac ttaaaagaat ctcactgatt tttgaaaaga tcagcaagtc agaggagagg  780
167 aggacacagt gtgttggctg gcactctgtg gagaacagat gggaccagca ggcctgcaaa  840
168 atgattcaag aaaactccca gcaagctgtt tgcaaatgta ggccaagtga attgtttacc  900
169 tctttctcaa ttcttatgtc acctcacatc ttagagagtc tgattctgac ttacatcaca  960
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179 cgagctgcca ttggcaattc catgttccag gaagtgagag ccattgtgag aatcagcaag 1560
180 aacatcgcca tcctcacacc acttctggga ctgacctggg gatttggagt agccactgtc 1620
181 atcgatgaca gatccctggc cttccacatt atcttctccc tgctcaatgc attccaggta 1680
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193             20                  25                  30
194 Val Gln Pro Phe Glu Asp Asn Ile Lys Ile Ser Val Tyr Thr Gly Lys
195         35                  40                  45
196 Ser Glu Thr Ile Thr Asp Met Leu Leu Gln Lys Cys Pro Thr Asp Leu
197     50                  55                  60
198 Ser Cys Val Ile Arg Asn Ile Gln Gln Ser Pro Trp Ile Pro Gly Asn
199 65                  70                  75                  80
200 Ile Ala Val Ile Val Gln Leu Leu His Asn Ile Ser Thr Ala Ile Trp
201             85                  90                  95
202 Thr Gly Val Asp Glu Ala Lys Met Gln Ser Tyr Ser Thr Ile Ala Asn
203             100                 105                 110
204 His Ile Leu Asn Ser Lys Ser Ile Ser Asn Trp Thr Phe Ile Pro Asp
205         115                 120                 125
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206 Arg Asn Ser Ser Tyr Ile Leu Leu His Ser Val Asn Ser Phe Ala Arg
207     130             135             140
208 Arg Leu Phe Ile Asp Lys His Pro Val Asp Ile Ser Asp Val Phe Ile
209 145             150             155             160
210 His Thr Met Gly Thr Thr Ile Ser Gly Asp Asn Ile Gly Lys Asn Phe
211             165             170             175
212 Thr Phe Ser Met Arg Ile Asn Asp Thr Ser Asn Glu Val Thr Gly Arg
213             180             185             190
214 Val Leu Ile Ser Arg Asp Glu Leu Arg Lys Val Pro Ser Pro Ser Gln
215             195             200             205
216 Val Ile Ser Ile Ala Phe Pro Thr Ile Gly Ala Ile Leu Glu Ala Ser
217     210             215             220
218 Leu Leu Glu Asn Val Thr Val Asn Gly Leu Val Leu Ser Ala Ile Leu
219 225             230             235             240
220 Pro Lys Glu Leu Lys Arg Ile Ser Leu Ile Phe Glu Lys Ile Ser Lys
221             245             250             255
222 Ser Glu Glu Arg Arg Thr Gln Cys Val Gly Trp His Ser Val Glu Asn
223             260             265             270
224 Arg Trp Asp Gln Gln Ala Cys Lys Met Ile Gln Glu Asn Ser Gln Gln
225     275             280             285
226 Ala Val Cys Lys Cys Arg Pro Ser Glu Leu Phe Thr Ser Phe Ser Ile
227     290             295             300
228 Leu Met Ser Pro His Ile Leu Glu Ser Leu Ile Leu Thr Tyr Ile Thr
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230 Tyr Val Gly Leu Gly Ile Ser Ile Cys Ser Leu Ile Leu Cys Leu Ser
231             325             330             335
232 Ile Glu Val Leu Val Trp Ser Gln Val Thr Lys Thr Glu Ile Thr Tyr
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234 Leu Arg His Val Cys Ile Val Asn Ile Ala Ala Thr Leu Leu Met Ala
235     355             360             365
236 Asp Val Trp Phe Ile Val Ala Ser Phe Leu Ser Gly Pro Ile Thr His
237     370             375             380
238 His Lys Gly Cys Val Ala Ala Thr Phe Phe Val His Phe Phe Tyr Leu
239 385             390             395             400
240 Ser Val Phe Phe Trp Met Leu Ala Lys Ala Leu Leu Ile Leu Tyr Gly
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242 Ile Met Ile Val Phe His Thr Leu Pro Lys Ser Val Leu Val Ala Ser
243             420             425             430
244 Leu Phe Ser Val Gly Tyr Gly Cys Pro Leu Ala Ile Ala Ala Ile Thr
245             435             440             445
246 Val Ala Ala Thr Glu Pro Gly Lys Gly Tyr Leu Arg Pro Glu Ile Cys
247     450             455             460
248 Trp Leu Asn Trp Asp Met Thr Lys Ala Leu Leu Ala Phe Val Ile Pro
249 465             470             475             480
250 Ala Leu Ala Ile Val Val Val Asn Leu Ile Thr Val Thr Leu Val Ile
251             485             490             495
252 Val Lys Thr Gln Arg Ala Ala Ile Gly Asn Ser Met Phe Gln Glu Val
253             500             505             510
254 Arg Ala Ile Val Arg Ile Ser Lys Asp Ile Ala Ile Leu Thr Pro Ile
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VERIFICATION SUMMARY   DATE: 04/08/2002
PATENT APPLICATION: US/10/008,574A   TIME: 15:13:43

Input Set : A:\LEX-0264-USA SEQLIST.txt
Output Set: N:\CRF3\04082002\J008574A.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date